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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/866,286	05/25/2001	Tetsujiro Kondo	450100-03242	4616

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EXAMINER

RYMAN, DANIEL J

ART UNIT PAPER NUMBER

2665

DATE MAILED: 09/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/866,286	KONDO ET AL.	
	Examiner	Art Unit	
	Daniel J. Ryman	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

1. The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609 A(1) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered. A copy of the references seen on page 28, lines 17-20, and page 31, lines 6-7, should be included in an IDS.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pilot et al. (USPN 6,519,655) in view of Kurdzo et al. (USPN 5,469,434).

4. Regarding claim 1, Pilot discloses a signal processing apparatus for receiving a signal including a plurality of kinds of data (digital messages) (col. 2, lines 54-59), said signal processing apparatus comprising: processing means for processing plural kinds of operations corresponding to the data of said signal (col. 3, lines 7-17); and changing means for changing the operation of said processing means to one of said operations, corresponding to the data at the timing of the transit of said data (col. 2, line 50-col. 3, line 17 and col. 3, lines 50-65) where

“corresponding” is a broad phrase which only necessitates that the operation relates in some manner to the timing of the data. Here, the packet tag, which corresponds to the operation of the processor, also corresponds to the timing of the transit of the data since the tag is contained in the data.

Pilot does not expressly disclose that the signal is a time divisional multiplexed signal; however, Pilot does disclose that the system contains a digital bus which contains channels (col. 2, lines 50-53). Kurdzo teaches, in a digital bus system, that it is well known to transmit a time divisional multiplexed signal on a digital bus (col. 1, lines 21-40 and col. 2, lines 10-43). Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to have the signal be a time divisional multiplexed signal since time divisional multiplexed signals are well known in the art.

5. Regarding claim 2, Pilot in view of Kurdzo discloses that said processing means provides an output generated by said processing means to an input terminal of a device (equipment on the bus) corresponding to each kind of the data of said time divisional multiplexed signal (Pilot: col. 1, lines 18-32).

6. Regarding claim 3, Pilot in view of Kurdzo discloses that said processing means comprises: first data-extracting means for extracting a plurality of data (identification tag) as class data from said data (Pilot: col. 1, lines 45-58 and col. 2, lines 10-25); characteristic signal output means for outputting a signal (descriptor's address) indicating characteristics of said class data based on said class data (Pilot: col. 2, line 54-col. 3, line 17); and generating means for generating output data based on the signal indicating the characteristics (processed data) (Pilot: col. 2, line 54-col. 3, line 17).

7. Regarding claim 4, Pilot in view of Kurdzo discloses that said processing means comprises: first data-extracting means for extracting a plurality of data (identification tag) as class data from said data (Pilot: col. 1, lines 45-58 and col. 2, lines 10-25); characteristic signal output means for outputting a signal (descriptor's address) indicating characteristics of said class data based on said class data (Pilot: col. 2, line 54-col. 3, line 17); second data-extracting means for extracting a plurality of data as generation data from said data (data in message) (Pilot: col. 3, lines 6-17); storage means for storing coefficient information (memory storing the instructions) corresponding to the signal indicating the characteristics (Pilot: col. 2, line 54-col. 3, line 17); and generating means for generating output data by performing computation using said generation data and said coefficient information (processed data) (Pilot: col. 2, line 54-col. 3, line 17).

8. Regarding claim 5, Pilot in view of Kurdzo discloses that said first data-extracting means extracts said class data based on class data forming information set in accordance with an instruction from said changing means (Pilot: col. 2, line 54-col. 3, line 17) where the location of the tag must be known by the processor in order for the processor to extract the tag.

9. Regarding claim 6, Pilot in view of Kurdzo discloses that said second data-extracting means extracts said generation data based on generation data forming information set in accordance with an instruction from said changing means (processor) (Pilot: col. 2, line 54-col. 3, line 17) where the location of the message data must be known by the processor in order for the processor to extract the message data.

10. Regarding claim 7, Pilot in view of Kurdzo discloses that said storage means stores said coefficient information (memory storing the instructions) according to the type of said data

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(Pilot: col. 3, lines 7-17), and outputs coefficient information, corresponding to the signal indicating the characteristics, from among said coefficient information corresponding to an instruction from said changing means (Pilot: col. 2, line 54-col. 3, line 17).

11. Regarding claim 8, Pilot in view of Kurdzo that said changing means comprises finding means for finding the type of said data based on said time divisional multiplexed signal including a plurality of kinds of data (Pilot: col. 1, lines 45-58; col. 2, lines 10-17; and col. 3, lines 6-18) where the tag is used to find the type of data.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Ryman whose telephone number is (571)272-3152. The examiner can normally be reached on Mon.-Fri. 7:00-4:30 with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571)272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


HUY D. VU
SUPERVISORY PATENT EXAMINER
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DJR
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